ComSitePro/MPE Revision Log (Version 8)

Version 8.1.21 – February 11, 2015

- Updated RFI Report Wizard logic to automatically enable/disable PIM and Interference Summing selections based on report type
- Revised Import/Export functionality due to new data fields in Site file
- Other cosmetic revisions

Version 8.1.20 – November 6, 2014

- Revised RFI Report Wizard logic to automatically enable/disable PIM and Interference Summing selections based on report type
- Revised automatic IM calculation Odd/Even Order selection.
- Revised Installation application to set Com & .NET settings for certain files on WIN9 operating systems
- Other minor revisions

Version 8.1.19 – September 3, 2014

- Replaced Motorola MSR station filters in Equipment Library for correct frequency band.
- Added Antenna Isolation Matrix automatic refresh feature if new antennas have been added to the Site file after the Matrix was originally created
- Added 23 Sinclair antennas to Library.
- Other minor revisions

Version 8.1.18 – April 25, 2014

- Added 1533 RFS Grid and solid Microwave antennas to library
- Added 14 new filter curves
- Added progress bar with antenna update routine
- Revised station data check for MPE to skip non essential data needed for analysis
- Revised Curve import to format imported values automatically
- Revised site data import routine and provided “Hit-list” only import feature
- Revised Site Export to include new site data field
- Improved error handler in Antenna List to allow user to exit if multiple errors
- Added error handler to mfg list when user leaves cell

Version 8.1.17 – March 05, 2014

- Revised Template Database and functionality
- Revised Word and ASCII Reports to prevent 30 db being added to summing report when using dBm units; when Transmitter Noise, Receiver Desensitization or IM power levels are zero. Revised Report Wizard
- Other minor cosmetic revisions

Version 8.1.16 – November 19, 2013

- Added new antenna patterns to library
- Updated elliptical waveguide losses for microwave frequencies
- Expanded label box lengths on Com Sys Wizard Provider Page

- Updated Activate/Deactivate systems Form to update Indexes for other procedures that use the Index to determine whether to include the station in analysis
- Fixed TNRD Subscript error in CalcFilterLoss procedure
- Updated Multi-frequency updates for filters and Multi-frequency updates for T-R exclusion
- Other minor updates

Version 8.1.15 – August 1, 2013

- Revised Antenna Calculation file for proper closing
- Revised User provided antenna mechanical down-tilt feature to prevent error message if system antennas have been deleted.
- Revised file open process to eliminate intermittent measurement units null error
- Revised TIA antenna import to automatically determine data start position due to variations in file structure
- Added System/Provider Name to missing drawings prompt to help user identify the drawing
- Revised Graphic Drawing Editor to prevent saving a drawing on a different record (the one chosen from the hieratical tree viewer)
- Revised IM calculation processes to remove the possibility of phantom hits

Version 8.1.14 – April 25, 2013

- Added Amphenol to equipment Mfg list and added 10,000 antenna patterns
- Added manual antenna down-tilt testing and running interference analyses with different down-tilt angles to help optimize site design.
- Revised ASCII report title pages to toggle on/off
- Added check for file exist for report viewer to avoid extraneous error message
- Revised multi-freq updates to include Transmit to Receive exclusions
- Revised Site Form for improved Lat/Lon validation
- Added Near or Far label to MPE calculator display to clarify model automatically selected if user uses Near/Far model
- Revised MSI/Planet Import function to prevent sporadic import errors
- Revised error handler in Template “Copy Provider to Template” function
- Revised Equipment List to prevent “modal” error message when clicking on the “Details” button

Version 8.1.13 – September 26, 2012

- Added 700 MHz LTE Antenna Patterns to library
- Added 700 MHz LTE Filters to library
- Added 700 MHz LTE Frequency Tables
- Added AWS Frequency Tables
- Updated Cavity Combiner T-T calculations to display correctly in ASCII reports
- Added “msi” filter to remove from name when importing MSI/Planet antenna patterns
- Added “prn” filter to remove from name when importing MSI/Planet antenna patterns and other minor revisions
- Revised Summing of Wideband Interference Counts to prevent deleted receivers from affecting the count
- Added Enter Key functionality for changing reference antenna for System Antennas Form
- Updated MPE Calculator Form
- Added prompt for Channel Code checks to use spaces not commas
- Added down tilt degrees and polarization text boxes to Antenna Detail Form
- Revised default size of Antenna Detail Form
- Added Beam Width and Down Tilt text boxes to Antenna Plot Form
- Other minor revisions

Version 8.1.12 – December 14, 2011

- Revised Equipment Library data entry form to prevent sporadic overwriting records when adding new equipment.
- Revised Equipment Library data entry form Filter button to change background color when a new filter is added.
- Revised MPE Report Wizard to provide a Next/Back feature for on-tower and radial graphs rather than closing the graphic form which allows a user to go back and make parameter adjustments before finalizing a MPE report.
- Other minor changes.

Version 8.1.11 – November 16, 2011

- Removed MPE version numbering to allow automatic updates based on ComSitePro Version number.
- Revised MPE report to list ComSitePro version.
- Revised MPE Report template to indicate if 0 to 20% or 5 to 20% MPE analysis was selected.
- Revised MPE Report template to remove 2-decimal rounding for MPE percentage levels below 1%.
- Revised MPE define analysis area last used to fix erratic saves of size.
- Revised MPE define analysis area to prevent Save Drawing prompt.
- Added default antenna lengths for Microwave antennas missing antenna length values.
- Added check for current drawing graphic before plotting MPE image.

Version 8.1.10 – September 12, 2011

- Revised IM Hitlist Only checks to eliminate 'missing antennas' warning.

Version 8.1.9 – February 23, 2011

- Added Active Systems Dialog Box to allow users to activate/deactivate communication systems, antenna systems and individual base stations during RFI analysis report creation. This new feature allows greater customization of reports such as eliminating duplicate frequency sets in different sectors and prevents duplicate interference issues as well as allowing the analysis to complete sooner.
- Other minor revisions

Version 8.1.8 – January 25, 2011

- Revised Template DB to accept records greater than 999
- Revised MS Word Reports to Save report if user skips table due to large table creation
- Revised word Reports to Save report at point of an error rather than deleting Word report
- Revised Communications System Setup Wizard Antenna Form by adding an "Add PIM Data button" to remove Irritating prompt when user saves an antenna
- Revised Station Filter List Form to prevent overwrite of existing filter records

Version 8.1.7 – December 15, 2010

- Revised Network Licensing function
- Revised MSI/Planet import feature
- Other minor revisions

Version 8.1.6 – October 27, 2010

- Revised Report Wizard for “Channel Code” checks to prevent error message
- Revised MSMA/TIA antenna import for different H and V angle formats
- Revised Word report to reset internal Spurious Flag after running a report

Version 8.1.5 – September 21, 2010

- Revised Station filter list to remove unused filter references to prevent false “Missing Curve” message when opening a site file
- Clarified “Missing Curve message while loading curves into RAM
- Revised Multi-Freq updates in Station Filter List when editing filters
- Replaced *.DOC with *.DOCX in Report File Viewer
- Other minor revisions

ComSiteMPE Version 8.1.2

- Added check box to MPE zone setup to include 0 to 5% MPE in plot for Zone 1
- Added antenna RF properties to MPE Drawing form
- Relocated MPE legend to lower right side of drawing
- Other minor revisions

Version 8.1.4 and ComSiteMPE Version 8.1.1 - August 27, 2010

- Added antenna length data validation in Communications System Setup Wizard antenna grid
- Added automated scale creation to MPE Analysis Drawing
- Increased font size of MPE Analysis Legend
- Revised MPE analysis plots color legend percentages
- Revised Hot Spot MPE analysis to resize drawing to original size to improve accuracy
- Other Hot Spot MPE analysis improvements
- Revised Graphic Editor to allow moving of reference antenna on drawing
- Added Triangle, Diamond, Hexagon, Pentagon and Star shapes to drawing list for automatic creation as well as three different fixed grid shapes

Version 8.1.3 August 11, 2010

- Upgraded RFI and MPE Microsoft Word Reports to Version 2007 and removed Macros for Windows 7 security compatibility.
- Provided instructions to run application as administrator for Windows 7 security compatibility.
- Revised selection of Acrobat reader to include actual file name for accessing User Manual.
- Updated Graphic Drawing Editor to allow automatic drawing updates for new version releases.
- Revised antenna library structure for longer field names.
- Revised MPE Near/Far crossover calculations.
- Revised MPE analysis to exit report creation if antenna data is missing.
- Other minor revisions.

Version 8.1.2 July 12, 2010

- Revised C(I+N) summing reports to display results two ways. If “Pertinent” is checked, then results will be reported if the interference signal level is greater than the receiver threshold sensitivity. If “Pertinent” is unchecked, then all results will be reported based on receiver specified C(I+N) ratios.
- Updated Graphic Drawing Editor
- Other minor revisions.

Version 8.1.1 February 9, 2010

- Added Adobe file path setting in Preferences for viewing User Manual from within ComSitePro application

Version 8.1.0 January 18, 2010

New Release with additional features and functions:

- Additional Technologies such as WiMax, LTE, EDVO, EDGE, AWS, UMTS, HSPDA and others
- Passive IM analysis
- Wideband spectral Analysis
- C/(I + N) Ratio Summing Analysis
- ASCII Text report export feature
- User updateable Equipment Library
- User updateable Frequency tables
- Distance/Azimuth between two sites calculator
- Antenna space loss between two antennas calculator
- Graphical Drawing Editor for automatically creating Site diagrams and system block diagrams
- Import/Export Feature
- Other improvements